2003 2 6 2003

Approved for use through 10/31/2002, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form 1449A/PTO			Complete if Known				
INFO	RMATION	DI	SCLOSURE	Application Number	10/791,190			
	_		PPLICANT	Filing Date	March 2, 2004			
JIAI	ENERGY D	• •	II DICANI	First Named Inventor	Frank L. Hall			
				Group Art Unit	1725			
	(use as many shee	is as	necessary)	Examiner Name	S. Heinrich			
Sheet	1	of	1	Attorney Docket Number	2269-4718.3US (00-0316.03/US)			

Document Number			U.S. PATENT D	Name of Patentee or Applicant of	<u> </u>	
Examiner Initials *	Cite No. ¹	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
5VIII-		US-4,746,390	05/1988	Badalec et al.		
SMIF		US- 5,950,071	09/1999	Hammond et al.		
7014		US- 6,670,222	12/2003	Brodsky		
mH		US- 2003/0003688	01/2003	Tandy et al.		
		US-				
		US-				
		US-				
		US-				
-		US-				
		US-				
		US-				
		US-				
_		US-				
		US-				
		US-				
		US-				
		US-	•			
		US-				
		US-				
		US-				

	γ	FUREIGN P	ATENT DOCUM	MENIZ		
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
			 			
	 		 			
	 					-
					·	

Examiner Signature	5. Heinrich	Date Considered	June 16,2005
<u> </u>	1 1 1 1 1 1 1 1 1		

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Sheet 1 of 1

Form PTO-1449				Docket Number (Optional) Application Number 4718.3US (00-0316.03/US) Not Yet Assigned				
INFORM	ATION DISCL	N	Applicant Frank L. Hall 10-791,190			<u>'</u>		
	IN AN APPLI						•	725
	(Use several sheets	m necessary) ————————————————————————————————————		Filing Date March 2, 20	04	Group Art U	own	
		U.S. PAT	ENT	DOCUMENTS	,			
EXAMINER INITIAL	DOCUMENTNUMBER	DATE		NAME CLASS		SUBCLASS	FILING D	
SMH	4,789,427	12/1988	F	ujimura et al.				
SMH	5,200,031	04/1993	Latchford et al.					
SMH	5,597,590	01/1997	Ta	animoto et al.				
SMH	5,686,211	11/1997	ı	Motegi et al.				
SMH	6,009,888	01/2000		Ye et al.			-	
SMH	6,021,380	02/2000	Fre	edriksen et al.				
SMH	6,114,097	09/2000	ļ	Malba et al.	_			
SMI	6,221,690	04/2001	Ta	niguchi et al.	_			
SMH	6,329,606	12/2001	Fr	eyman et al.		\rightarrow		
SMAT	6,346,678	02/2002	Kono et al.		_			,
SMH	6,415,977	07/2002		Rumsey	-			
					,			
		FOREIGN P	ATEN	IT DOCUMENTS				
			,				Tran	slation
	DOCUMENT NUMBER DATE			COUNTRY	CLASS	SUBCLASS	YES	NO
							·	
·								
		OTHE	R DO	CUMENTS	(Includios	Author Title Dot	o Portinent	Page 5to \
				021110	(including	Author, Title, Dat	e, Perunent	rages, Etc.)
-					-,			
								•
	 							
	:							
EXAMINER			I	DATE CONSIDEREI	, ο	11 000		
>	Heinrich	-			June	16,200	25	

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control marrher.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

10/791,190

Filing Date March 2, 2004

First Named Inventor Frank L. Hall

Group Art Unit 2812 i 725

Examiner Name Unknown

Attorney Docket Number 4718.3US (00-0316.03/US)

 (use as many sheets as necessary)
 Examiner Name
 Unknown

 Sheet
 1
 of
 1
 Attorney Docket Number
 4718.3US (00-0316.03/L

		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Cohimns, Lines, Where Relevant Passages or Relevant Figures Appear
	Cite No.1	Number - Kind Code ² (If known)	MM-DD-YYYY	Cited Document	
777 H	1	US-5,607,601	03/04/97	Loper et al.	
MIT		US- 6,587,009	07/01/03	Kitamura et al.	
		US-			
_		US-	·		
		US-			
		US-	i		
	1	US-			
	Î	US-	İ		

FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,		
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶	
			 				
_							
			-				
			+		 		
				 '			

Examiner Signature	S. Hanrich	Date Considered	June 16, 2005

Burden How Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.